

DEC 20 2004

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December 20, 2004

TO	COMPANY NAME	FAX NO.
Examiner Daniel Swerdlow Group Art Unit 2644	U.S. Patent and Trademark Office	703-872-9314

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CLIENT/MATTER NAME	U.S. Patent Appln. No. 09/228,772
CLIENT/MATTER NO.	010040/0004

## MESSAGE

Enclosed please find:

1. Certificate of Transmission (1 pg.);
2. Information Disclosure Statement (2 pgs);
3. PTO/SB/08A (1 pg.); and
4. Three (3) Article References (19 pgs).

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DEC 20 2004

Docket No.  
010040/0004

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: J. Benesty et al.

Group Art Unit: 2644

Application No.: 09/228,772

Examiner: Daniel Swerdlow

Filed: January 6, 1999

For: **ADAPTIVE FILTER FOR NETWORK ECHO CANCELLATION**

Date: December 20, 2004

**CERTIFICATE OF TRANSMISSION  
BY FACSIMILE (37 C.F.R. § 1.8)**

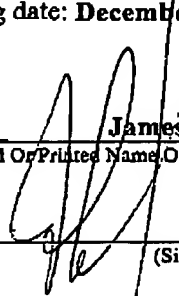
Commissioner for Patents  
PO Box 1450  
Alexandria, Virginia 22313-1450

Sir:

I hereby certify that the following correspondence:

**Information Disclosure Statement, Form PTO 1449 and Three (3) Article References cited thereon**

is being transmitted by facsimile to the United States Patent and Trademark Office in accordance with 37 C.F.R. § 1.8 on the following date: **December 20, 2004**

  
James DeCarlo  
(Typed Or Printed Name Of Person Signing this Certificate)

(Signature)

SSL-DOCS1 1525893v1

Docket No.  
010040/0004  
JJJ

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: J. Benesty et al.

Group Art Unit: 2644

Application No.: 09/228,772

Examiner: Daniel Swerdlow

Filed: January 6, 1999

For: ADAPTIVE FILTER FOR NETWORK ECHO CANCELLATION

Date: December 20, 2004

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and pursuant to 37 C.F.R. §§ 1.97 and 1.98, the Examiner's attention is directed to the documents listed on the enclosed Information Disclosure Statement by Applicant form (PTO/SB/08a).

This Information Disclosure Statement is being cited in accordance with 37 C.F.R. § 1.97(c). The Commissioner is authorized to charge the required fee under 37 C.F.R. § 1.17(p) (\$180.00), as well as any other fees that may be required during the pendency of this application, to Deposit Account 19-4709.

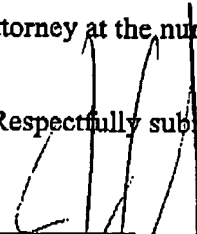
It is respectfully requested that the above information be considered by the Examiner and that a copy of the enclosed Form PTO-1449 (PTO/SB/08a) be returned indicating that such information has been considered.

SSL-DOCS1 1525848v1

Appln. No. 09/228,772  
Information Disclosure Statement dated December 20, 2004

Favorable consideration and prompt allowance of this application is respectfully requested. In the event that there are any questions, or should additional information be required, please do not hesitate to contact applicant's attorney at the number listed below.

Respectfully submitted,



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James DeCarlo,  
Registration No. 36,120  
Attorney for Applicant  
Stroock & Stroock & Lavan LLP  
180 Maiden Lane  
New York, New York 10038  
212-806-5400

FORM PTO 1449 (modified)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)				ATTY DOCKET NO. <b>010040/0004</b>		APPLICATION NO. <b>09/228,772</b>	
				APPLICANT  <b>J. Benesty et al.</b>			
				FILING DATE <b>January 6, 1999</b>		GROUP <b>2644</b>	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)		
		Gay, Steven L. "An Efficient, Fast Converging Adaptive Filter for Network Echo Cancellation," Published at Asilomar Conference on Signals, Systems, and Computers, November 1-4, 1998, Pacific Grove, CA. Chairman, Prof. W. Kenneth Jenkins U of IL, Urbana, IL
		Gänsler, Tomas "A Robust Frequency-Domain Echo Canceller," 1997 IEEE, Dept. of Applied Electronics, Signal Processing Group Lund University, Sweden
		Gay, Steven L. "An Efficient, Fast Converging Adaptive Filter for Network Echo Cancellation," Published at Asilomar Conference on Signals, Systems, and Computers, November 1-4, 1998, Pacific Grove, CA. Chairman, Prof. W. Kenneth Jenkins U of IL, Urbana, IL

EXAMINER	DATE CONSIDERED
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet 1 of 1

SSL-DOCS1 1525824v1

PAGE 5/24 \* RCVD AT 12/20/2004 4:31:36 PM [Eastern Standard Time] \* SVR:USPTO-EFXXRF-1/3 \* DNIS:8729314 \* CSID: \* DURATION (mm-ss):09-06